

**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS**

**RAJYA SABHA
UNSTARRED QUESTION NO. 2290
TO BE ANSWERED ON 17TH DECEMBER, 2021**

LAUNCH OF 5G AND ITS BENEFITS

2290. SHRI JAWHAR SIRCAR:

Will the Minister of COMMUNICATIONS be pleased to state:

- (a) the details of launch of 5G, the options under consideration and their merits, demerits and cost;
- (b) by when Government expects the 5G technology to be rolled out in the country;
- (c) the estimated investments and economic benefits likely; and
- (d) how much would 5G help in digital education at the primary and secondary school levels?

ANSWER

**MINISTER OF STATE FOR COMMUNICATIONS
(SHRI DEVUSINH CHAUHAN)**

(a) to (d) The Government has taken, inter alia, the following steps to create a conducive environment for launch of 5G services in the country:

- i) Permission has been granted to Telecom Service Providers for conducting 5G Technology trials during May 2021 with a validity period of up to one year.
- ii) An indigenous 5G Test Bed has been set up at a total cost of Rs. 224 crore to facilitate for experimenting and demonstrating 5G applications/ use cases.
- iii) A reference has been sent to Telecom Regulatory Authority of India (TRAI) regarding spectrum auctions. Once TRAI recommendations are received, spectrum auctions will be conducted. It is expected that 5G rollout will happen thereafter.

The investment in 5G network depends on economic and commercial considerations of the Telecom Service Providers.

The 5G technology offers enhanced mobile broadband, ultra-reliable low latency, and massive machine-type communication, enabling various innovative applications including education.
